

CLAIMS

1. An information processing apparatus for use with predetermined services provided by a first server, which manages personal information of a user identified by a first network identifier, and a second server connected to a network
5 dedicated to providing said predetermined services, said second server executing processing identified by a second network identifier, said information processing apparatus comprising:

storing means for storing said first network identifier;

first obtaining means for obtaining said second network identifier;

10 second obtaining means for obtaining verification data necessary for verifying said user; and

transmitting means for transmitting control information containing said first network identifier and said second network identifier to said first server which manages said personal information identified by said first network identifier stored in
15 said storing means, so as to be provided with said services, by processing identified by said second network identifier obtained by said first obtaining means being executed by said second server.

2. An information processing apparatus as claimed in claim 1, wherein at
20 least one of said first network identifier and said second network identifier is a URL.

3. An information processing apparatus as claimed in claim 1, further comprising an access port terminal, connected to said network, that serves as an access port for said information processing apparatus, and wherein said transmitting means
25 transmit said control information to said first server via said access port terminal.

4. An information processing apparatus as claimed in claim 3, wherein said transmitting means transmit said control information to said access port terminal using at least one of directional infrared rays and high-frequency airwaves.

5. An information processing apparatus as claimed in claim 1, wherein said second obtaining means obtain a password generated by a verification data IC chip housed by an article which said user is wearing.

5 6. An information processing apparatus as claimed in claim 5, wherein said password is a one-time password.

7. An information processing apparatus as claimed in claim 5, wherein said password is encrypted with a common key shared between said information 10 processing apparatus and said first server.

8. An information processing apparatus as claimed in claim 5, wherein said password is encrypted with a public key of said first server.

15 9. An information processing apparatus as claimed in claim 1, wherein said second obtaining means obtain a password generated by a verification data IC chip housed by an article which said user is wearing upon receiving an appropriate reply from said verification data IC chip, said reply being sent in response to a predetermined request from said first server.

20 10. An information processing apparatus as claimed in claim 5, wherein said article housing said verification data IC chip is at least one of a wristwatch and a ring, and wherein said verification data IC chip is waterproofed.

25 11. An information processing apparatus as claimed in claim 5, wherein said verification data IC chip is powered by at least one of electromotive force generated by electromagnetic induction, electric power based on photo-electric conversion, electric power from a miniature battery, and thermal electromotive force based on body heat of said user.

30 12. An information processing apparatus as claimed in claim 5, wherein said second obtaining means obtain, as said verification data, at least one of

fingerprints, voiceprints, iris patterns, and contrast patterns of capillaries at predetermined portions of the body.

13. An information processing apparatus as claimed in claim 1, wherein

- 5 said first obtaining means obtain said second network identifier as at least one of a voice taken in by a microphone provided thereto, an image obtained by an image sensor provided thereto, infrared rays received by an infrared ray sensor provided thereto, and high-frequency waves received by a high-frequency antenna provided thereto.

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14. An information processing method for an information processing apparatus for use with predetermined services provided by a first server, which manages personal information of a user identified by a first network identifier, and a second server connected to a network dedicated to providing said predetermined services, said second server executing processing identified by a second network identifier, said method comprising the steps of:

storing said first network identifier;
obtaining said second network identifier;
obtaining verification data necessary for verifying said user; and

- 20 transmitting control information containing said first network identifier and said second network identifier to said first server which manages said personal information identified by said first network identifier stored in said step of storing said first network identifier, so as to be provided with said services, by processing identified by said second network identifier obtained by the processing in said step of
25 obtaining said second network identifier being executed by said second server.

15. An information processing method as claimed in claim 14, wherein at least one of said first network identifier and said second network identifier is a URL.

- 30 16. An information processing method as claimed in claim 14, said method further comprising the steps of:

providing an access port terminal, connected to said network, that serves as an access port for said information processing apparatus; and

transmitting said control information to said first server via said access port terminal.

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17. An information processing method as claimed in claim 16, wherein said step of transmitting said control information to said first server via said access port terminal includes transmitting using at least one of directional infrared rays and high-frequency airwaves.

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18. An information processing method as claimed in claim 14, wherein said step of obtaining verification data includes obtaining a password generated by a verification data IC chip housed by an article which said user is wearing.

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19. An information processing method as claimed in claim 18, wherein said password is a one-time password.

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20. An information processing method as claimed in claim 18, wherein said password is encrypted with a common key shared between said information processing apparatus and said first server.

21. An information processing method as claimed in claim 18, wherein said password is encrypted with a public key of said first server.

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22. An information processing method as claimed in claim 14, wherein said step of obtaining verification data includes obtaining a password generated by a verification data IC chip housed by an article which said user is wearing upon receiving an appropriate reply from said verification data IC chip, said reply being sent in response to a predetermined request from said first server.

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23. An information processing method as claimed in claim 18, wherein said article housing said verification data IC chip is at least one of a wristwatch and a ring, and wherein said verification data IC chip is waterproofed.

5 24. An information processing method as claimed in claim 18, wherein said verification data IC chip is powered by at least one of electromotive force generated by electromagnetic induction, electric power based on photo-electric conversion, electric power from a miniature battery, and thermal electromotive force based on body heat of the user.

10 25. An information processing method as claimed in claim 18, wherein said step of obtaining verification data includes obtaining at least one of fingerprints, voiceprints, iris patterns, and contrast patterns of capillaries at predetermined portions of the body.

15 26. An information processing method as claimed in claim 14, wherein said step of obtaining said second network identifier includes obtaining at least one of voice taken in by a microphone, an image obtained by an image sensor, infrared rays received by an infrared ray sensor, and high-frequency waves received by a high-frequency antenna.

20 27. A storing medium storing a computer-readable program for an information processing apparatus for use with predetermined services provided by a first server, which manages personal information of a user identified by a first network identifier, and a second server connected to a network dedicated to providing said predetermined services, said second server executing processing identified by a second network identifier, said program comprising:

code for a storing step for storing said first network identifier;

code for a first obtaining step for obtaining said second network identifier;

25 30 code for a second obtaining step for obtaining verification data necessary for verifying said user; and

code for a transmitting step for transmitting control information containing said first network identifier and said second network identifier to said first server which manages said personal information identified by said first network identifier stored in said storing step, so as to be provided with said service, by processing identified by
5 said second network identifier obtained by the processing in said first obtaining step being executed by said second server.

28. A storing medium storing a computer-readable program as claimed in
claim 27, wherein at least one of said first network identifier and said second network
10 identifier is a URL.

29. A storing medium storing a computer-readable program as claimed in
claim 27, said program further comprising:

code for a providing step for providing an access port terminal, connected to
15 said network, that serves as an access port for said information processing apparatus;
and

code for transmitting, in said transmitting step, said control information to said
first server via said access port terminal.

20 30. A storing medium storing a computer-readable program as claimed in
claim 29, wherein said transmitting step transmits said control information to said
access port terminal using at least one of directional infrared rays and high-frequency
airwaves.

25 31. A storing medium storing a computer-readable program as claimed in
claim 27, wherein said second obtaining step obtains a password generated by a
verification data IC chip housed by an article which said user is wearing.

30 32. A storing medium storing a computer-readable program as claimed in
claim 31, wherein said password is a one-time password.

33. A storing medium storing a computer-readable program as claimed in claim 31, wherein said password is encrypted with a common key shared between said information processing apparatus and said first server.

5 34. A storing medium storing a computer-readable program as claimed in claim 31, wherein said password is encrypted with a public key of said first server.

10 35. A storing medium storing a computer-readable program as claimed in claim 27, wherein said second obtaining step obtains a password generated by a verification data IC chip housed by an article which said user is wearing upon receiving an appropriate reply from said verification data IC chip, said reply being sent in response to a predetermined request from said first server.

15 36. A storing medium storing a computer-readable program as claimed in claim 31, wherein said article housing said verification data IC is at least one of a wristwatch and a ring, and wherein said verification data IC chip is waterproofed.

20 37. A storing medium storing a computer-readable program as claimed in claim 31, wherein said verification data IC chip is powered by at least one of electromotive force generated by electromagnetic induction, electric power based on photo-electric conversion, electric power from a miniature battery, and thermal electromotive force based on body heat of the user.

25 38. A storing medium storing a computer-readable program as claimed in claim 31, wherein said second obtaining step obtains at least one of fingerprints, voiceprints, iris patterns, and contrast patterns of capillaries at predetermined portions of the body.

30 39. A storing medium storing a computer-readable program as claimed in claim 27, wherein said first obtaining step obtains at least one of voice taken in by a microphone, an image obtained by an image sensor, infrared rays received by an infrared ray sensor, and high-frequency waves received by a high-frequency antenna.

40. A service providing system, comprising:
a portable terminal holding a first network identifier;
a first server for managing personal information of a user identified by said
5 first network identifier; and
a second server for executing processing identified by a second network
identifier;
wherein said portable terminal, said first server, and said second server are
connected via a network;
- 10 said portable terminal comprising:
first storing means for storing said first network identifier;
first obtaining means for obtaining said second network identifier;
second obtaining means for obtaining verification data necessary for
verification of said user;
- 15 first supplying means for supplying control information containing said
first network identifier and said second network identifier to said first server which
manages said personal information identified by said first network identifier stored in
said first storing means, so as to be provided with predetermined services, by
processing identified by said second network identifier obtained by said first obtaining
means being executed by said second server; and
- 20 second supplying means for supplying said verification data obtained
by said second obtaining means to said first server;
said first server comprising:
first managing means for managing said personal information identified
25 by said first network identifier;
first requesting means for requesting to be provided with said services
based on said control information and said personal information, to said second server
for executing processing identified by said second network identifier contained in said
control information supplied by said first supplying means of said portable terminal;
- 30 said first verification means for making verification of said user based
on said verification data supplied by said second supplying means of said portable
terminal, based on a request from said second server; and

third supplying means for supplying verification results from said first verification means to said second server; and

said second server comprising:

second managing means for managing processing identified by said

5 second network identifier;

second request means for requesting said first server for verification of said user in response to a request by said first requesting means of said first server; and

first executing means for executing processing identified by said second

network identifier based on said control information and said personal information

10 when said verification results supplied by third supplying means of said first server indicate that said user is a valid user of said service providing system.

41. A service providing system as claimed in claim 40, wherein at least one of said first network identifier and said second network identifier is a URL.

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42. A service providing system as claimed in claim 40, further comprising:

an access port terminal, connected to said network, that serves as an access port for said portable terminal;

20 wherein at least one of said first supplying means and said second supplying means of said portable terminal supply at least one of said control information and said verification data to said access port terminal; and

wherein said access port terminal further comprises fourth supplying means for supplying at least one of said control information and said verification data supplied from at least one of said first supplying means and said second supplying means of 25 said portable terminal to said first server.

43. A service providing system as claimed in claim 42, further comprising:

a third server, connected to said network, for performing settlement of usage fees of said service providing system;

30 wherein said access port terminal measures a predetermined communication amount processed by itself;

wherein said access port terminal further comprises fifth supplying means for supplying the results of said measurement to said third server;

and wherein said third server further comprises settlement means for performing settlement of usage fees of said service providing system based on the 5 results of said measurement supplied from said fifth supplying means of said access port terminal.

44. A service providing system as claimed in claim 43, wherein said predetermined communication amount is the amount of data which said access port 10 terminal has transferred to at least one of said portable terminal and said first server.

45. A service providing system as claimed in claim 42, wherein:

said first storing means of said portable terminal further store a public key for said first network identifier;

15 said second supplying means of said portable terminal further supply said public key for said first network identifier to said access port terminal;

said fourth supplying means of said access port terminal encrypt said verification data with said public key for said first network identifier, supplied by said second supplying means of said portable terminal, and supply said verification data 20 that has been encrypted to said first server along with said control information;

said first managing means of said first server further manage a secret key for said first network identifier as personal information; and

25 said first verification means of said first server decrypt said verification data supplied by said fourth supplying means of said access port terminal with said secret key for said first network identifier contained in said personal information, and verify said user based on said decrypted verification data.

46. A service providing system as claimed in claim 45, wherein:

said first managing means of said first server change said secret key of said 30 first network identifier when said user is verified to be a valid user of said service providing system by said first verification means;

5 said first server further comprises third requesting means for requesting said portable terminal to change said public key for said first network identifier corresponding to the change in said secret key for said first network identifier by said first managing means; and

10 5 said first storing means of said portable terminal change said public key for said first network identifier, based on a request by said third requesting means of said first server.

15 47. A service providing system as claimed in claim 40, wherein said second obtaining means of said portable terminal obtain a password generated, with a first algorithm, by a verification data IC chip housed by an article which said user is wearing.

20 48. A service providing system as claimed in claim 47, wherein said password is a one-time password.

25 49. A service providing system as claimed in claim 47, wherein said password is encrypted with a common key shared by said portable terminal and said first server.

50. A service providing system as claimed in claim 47, wherein said password is encrypted with a public key of said first server.

55 51. A service providing system as claimed in claim 40, wherein said second obtaining means obtain a password generated by a verification data IC chip housed by an article which said user is wearing upon receiving an appropriate reply from said verification data IC chip, said reply being sent in response to a predetermined request from said first server.

30 52. A service providing system as claimed in claim 47, wherein said first verification means of said first server generate a one-time password with a second algorithm identical to said first algorithm of said verification data IC chip, and

compare said one-time password with said password serving as said verification data supplied from said second supplying means of said portable terminal, thereby verifying said user.

5 53. A service providing system as claimed in claim 52, wherein:
said first verification means of said first server update said second algorithm when said user is verified as a valid user of said service providing system;

10 said first server further comprises third requesting means for requesting said portable terminal to update said first algorithm of said verification data IC chip corresponding to the update in said second algorithm by said first verification means; and

15 said portable terminal further comprises fourth requesting means for requesting said verification data IC chip to update said first algorithm based on a request by said third request means of said first server.

54. A service providing system as claimed in claim 40, wherein:
predetermined service information is supplied to said portable terminal when processing identified by said second network identifier is executed by said first executing means of said second server;

20 said first managing means of said first server further manages said public key of said portable terminal;
said first server further comprises fourth supplying means for encrypting said service information with said public key of said portable terminal and supplying said encrypted service information to said portable terminal;

25 said first storing means of said portable terminal further store a secret key of itself; and
said portable terminal further comprises decrypting means for decrypting the encryption of said service information supplied from said fourth supplying means of said first server, with said secret key of itself.

30 55. A service providing system as claimed in claim 54, wherein:

said first managing means of said first server change said public key of said portable terminal when said user is verified as a valid user of said service providing system;

5 said first server further comprises third request means for requesting said portable terminal to change said secret key of said portable terminal correlating to the change of said public key of said portable terminal by said first managing means; and

 said first storing means of said portable terminal change said secret key of said portable terminal based on a request from said third request means of said first server.

10 56. A service providing system as claimed in claim 40, further comprising:
 a predetermined service terminal connected to said network; and wherein:
 processing identified by said second network identifier is settlement processing;

15 said first obtaining means of said portable terminal obtain monetary amount information in addition to said second network identifier from said service terminal,

20 said first supplying means of said portable terminal supply said first network identifier, said second network identifier, and said control information containing said monetary amount information, to said first server, thereby allowing said settlement processing being executed by said second server to settle fees indicated by said monetary amount information;

25 said first requesting means of said first server request said second server, which executes said settlement processing identified by said second network identifier contained in said control information supplied by said first supplying means of said portable terminal, to perform settlement based on said monetary amount information and said personal information; and

30 said first executing means of said second server execute said settlement processing based on said monetary amount information and said personal information when said verification results supplied by said third supplying means of said first server indicate that said user is a valid user of said service providing system.

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57. A service providing system as claimed in claim 56, wherein:

said first obtaining means of said portable terminal further obtain a payment ID from said service terminal;

 said first supplying means of said portable terminal supply control information further containing said payment ID to said first server;

5 said first requesting means of said first server request said second server to perform settlement based on said monetary amount information, said personal information, and said payment ID; and

10 said first executing means of said second server execute said settlement processing based on said monetary amount information, said personal information, and
10 said payment ID when said verification results supplied by said third supplying means of said first server indicate that said user is a valid user of said service providing system.

58. A service providing system as claimed in claim 56, further comprising:
15 an access port terminal, connected to said network, that serves as an access port for said portable terminal;

 wherein at least one of said first supplying means and said second supplying means of said portable terminal supply at least one of said control information and said verification data to said access port terminal; and

20 wherein said access port terminal comprises fourth supplying means for supplying at least one of said control information and said verification data supplied from at least one of said first supplying means and said second supplying means of said portable terminal to said first server.

25 59. A service providing system as claimed in claim 58, wherein:
 said first managing means of said first server further manage characteristics information of said user;

 said first server further comprises fifth supplying means for supplying said characteristics information to said service terminal in response to requests from said 30 second server;

 said service terminal further comprises:

second verification means for verification of said user, using said characteristics information supplied from said fifth supplying means of said first server; and

5 fifth supplying means for supplying verification results by said second verification means to said second server; and

 said first executing means of said second server execute processing identified by said second network identifier, based on said control information and personal information when said verification results supplied from said fifth supplying means of said service terminal indicate that said user is a valid user of said service providing
10 system.

60. A service providing system as claimed in claim 59, wherein said user characteristics information is image data of the face portion of said user, and wherein verification by said second verification means of said service terminal is performed by
15 displaying an image corresponding to image data of the face portion of said user on a display unit of said service terminal, an administrator of said service terminal comparing the actual face of said user with said image.

61. A service providing system as claimed in claim 40, wherein said second server further comprises:

 second storing means for adding a predetermined expiration date to said verification results supplied by said third supplying means of said first server, and storing; and

25 judging means for judging, based on said expiration date, whether or not said verification results stored in said second storing means are valid, based on a request from said first requesting means of said first server;

 wherein said first executing means of said second server execute processing identified by said second network identifier when judgment is made by said judging means that said verification results are valid.

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62. A service providing system as claimed in claim 61, further comprising:

a service terminal, connected to said network, for controlling opening and closing of a gate which can be passed through by purchasing a predetermined ticket is;

wherein said third supplying means of said first server supply said first network identifier as said verification results to said second server when said user is recognized 5 as a valid user of said service providing system by said verification means;

wherein said second storing means of said second server add said expiration date determined at the time of issuing said ticket to said first network identifier supplied by said third supplying means of said first server, and storing;

wherein said judging means of said second server judge, based on said 10 expiration date, whether or not said first network identifier stored in said second storing means is valid, based on a request from said first requesting means of said first server, and

wherein said first executing means of said second server execute processing of 15 opening said gate when judgment is made by said judging means that said first network identifier is valid.

63. A service providing system as claimed in claim 40, wherein:

said first managing means of said first server add a predetermined expiration date to said verification results, and manage;

20 said first verification means of said first server judge, based on said expiration date, whether or not said verification results are valid, based on requests from said second requesting means of said second server;

said third supplying means of said first server supply said verification results to 25 said second server;

said second requesting means of said second server request said user verification to said first server at a predetermined timing; and

said first executing means of said second server execute processing identified by said second network identifier based on said control information and said personal information when said verification results supplied by said third supplying means of 30 said first server indicate that said verification results are valid.

64. A service providing system as claimed in claim 40, further comprising:

at least one service processing executing device for executing processing identified by respectively differing sets of said second network identifier,

wherein said first requesting means of said first server request to said second server and said at least one service processing executing device to be provided with 5 said services based on said control information and said personal information;

and wherein said at least one service processing executing device comprises second executing means for executing processing respectively identified by said second network identifier.

10 65. A service providing system as claimed in claim 64, wherein said second executing means of said at least one service processing executing device execute processing as at least one of a monitor, mouse, and keyboard making up a personal computer, and wherein said second server executes processing as a CPU making up a personal computer.

15 66. A service providing system as claimed in claim 64, wherein said portable terminal further comprises fourth supplying means for supplying said first network identifier to said at least one service processing executing device, and wherein said second executing means of said at least one service processing executing device 20 execute processing identified by said second network identifier when said first network identifier is supplied from said fourth supplying means of said portable terminal.

67. A service providing system as claimed in claim 64, wherein:
said second server executes document creating processing when said second 25 executing means said at least one service processing executing device execute processing as said keyboard;

said first managing means of said first server manage said personal information containing character input patterns as to said user on said keyboard;

30 said first requesting means of said first server request execution of said document creating processing based on said control information and said character input pattern, to said second server for executing processing identified by said second

network identifier contained in said control information supplied by said first supplying means of said portable terminal;

and said first executing means of said second server execute said document creating processing based on said control information and said character input pattern.

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68. A service providing system as claimed in claim 40, wherein predetermined service information is provided to said portable terminal as a result of processing identified by said second network identifier being executed by said first executing means of said second server; and

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wherein said portable terminal further comprises:

second storing means for temporarily storing said service information;

and

deleting means for monitoring the amount of data of said service information stored in said second storing means, and when said service information

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equal to or exceeding a predetermined data amount is stored, deleting with priority at least one of said service information not bookmarked and said service information not linked to a bookmarked homepage.

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69. A service providing system as claimed in claim 68, wherein said deleting means establish an order of priority for said bookmarks, and deletes said bookmarked service information as necessary, according to said order of priority.

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70. A service providing system as claimed in claim 69, further comprising fourth supplying means for supplying said service information to said portable terminal when said service information is said personal information; and

wherein said first server attaches a tag to said personal information indicating that said personal information cannot be stored in said second storing means of said portable terminal.

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71. A service providing system as claimed in claim 40, wherein predetermined service information is provided to said first server as the result of

processing identified by said second network identifier being executed by said first executing means of said second server; and

wherein said first server further comprises:

second storing means for temporarily storing said service information; and

5 deleting means for monitoring the amount of data of said service information stored in said second storing means, and when said service information equal to or exceeding a predetermined data amount is stored, deleting with priority at least one of said service information not bookmarked and said service information not linked to a bookmarked homepage.

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72. A service providing system as claimed in claim 71, wherein said deleting means establish an order of priority for said bookmarks, and deletes said bookmarked service information as necessary, according to said order of priority.

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73. A service providing system as claimed in claim 40, wherein said first managing means of said first server further manage predetermined information valid for reviewing a homepage which has been previously viewed when processing identified by said second network identifier is processing for Web browsing.

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74. A service providing system, comprising:

a portable terminal holding first network identifier;

a first server for managing personal information of a user identified by said first network identifier;

a second server for executing processing identified by second network

25 identifier; and

a first service terminal holding second network identifier;

wherein said portable terminal, said first server, said second server, and said first service terminal are connected via a network;

said portable terminal comprising:

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storing means for storing said first network identifier;

first obtaining means for obtaining, from said first service terminal, said second network identifier and access information for detecting access patterns;

- second obtaining means for obtaining verification data necessary for verification of said user; and
- first supplying means for supplying control information containing said first network identifier, said second network identifier, and said access information, to said first server which manages said personal information identified by said first network identifier stored in said storing means, so as to be provided with predetermined services, by processing identified by said second network identifier obtained by said first obtaining means being executed by said second server,
- said first service terminal comprising:
- 10 first holding means for holding said second network identifier;
- second obtaining means for obtaining said access information from accesses to itself by said first obtaining means of said portable terminal;
- second supplying means for supplying said second network identifier and said access information to said portable terminal, so as to be obtained by said first obtaining means of said portable terminal; and
- 15 third supplying means for supplying said control information supplied by said first supplying means of said portable terminal, to said first server;
- said first server comprising:
- 20 first managing means for managing said personal information identified by said first network identifier; and
- first requesting means for requesting to be provided with said services based on said control information, said personal information, and said access information, to said second server for executing processing identified by said second network identifier contained in said control information supplied by said second supplying means of said portable terminal; and
- 25 said second server comprising:
- second managing means for managing processing identified by said second network identifier; and
- executing means for executing, based on said control information, said personal information, and said access information, processing identified by said second network identifier, based on requests from said first requesting means of said first server.

75. A service providing system as claimed in claim 74, further comprising:
a second service terminal connected to said network; wherein:

- said first service terminal is installed at a first location;
- 5 said second service terminal is installed at a second location;
- said first obtaining means of said portable terminal access said first service terminal, said access information containing the time of access;
- said first obtaining means of said portable terminal access said second service terminal, said access information containing the time of access; and
- 10 10 said executing means of said second server calculate the difference between said time contained in said access information obtained by said first obtaining means of said first service terminal and said time contained in said access information obtained by said first obtaining means of said second service terminal, judge whether or not the calculation results indicate time equal to or exceeding a predetermined time, and execute processing identified by said second network identifier when judgement is made that said calculation results indicate time equal to or exceeding a predetermined time.

76. A service providing system as claimed in claim 75, wherein said first

- 20 20 location and said second location are predetermined locations on at least one of a concourse of an amusement park and near at least one of an entry point and an exit point of a toll road.

77. A service providing system as claimed in claim 75, wherein:

- 25 25 said first location is a predetermined location near an entry point of a toll road and said second location is a predetermined location near an exit point of said toll road;

 said second service terminal comprises:

 image-taking means for taking images of passing vehicles; and

- 30 30 third obtaining means for obtaining the license plate number from said vehicles, from the results of the image taken by said image-taking means;

said third supplying means of said second service terminal further supply said license plate number obtained by said third obtaining means to said first server;

 said first requesting means of said first server request said second server which executes processing identified by said second network identifier contained in said

- 5 control information supplied by said third supplying means of said second service terminal, to provide said server based on said control information, said personal information, said access information, and said license plate number obtained by said second obtaining means of said second service terminal;

10 said second server further comprising second holding means for holding a license plate number of a vehicle of said user beforehand; and

 said executing means of said second server compare said license plate number obtained by said second obtaining means of said second service terminal with said license plate number held in said second holding means, and execute settlement processing of toll for said toll road based on said control information and said personal

- 15 information when said license plate number obtained by said second obtaining means of said second service terminal matches said license plate number held in said second holding means.